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DRAFT

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DATE: April 8, 2002

TO: UNITED STATES PATENT AND TRADEMARK OFFICE
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MESSAGE:

Dear Examiner Sisson,

As per our conversation this morning, here is a draft of some proposed independent and dependent claim language for discussion on April 10, 2002 at 3:00 p.m.

I look forward to meeting with you. Thank you for your time and consideration.

PARSONS BEHLE & LATIMER

Alison B. Mohr

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DRAFT**PROPOSED CLAIM LANGUAGE**

[cl001] A method for amplifying a detectable signal, the method comprising:

- a) contacting a target with a receptor comprising one or more sites capable of binding a binding ligand, said receptor being complexed to at least one microparticle; and
- b) detecting the presence of said microparticle.

[cl002] A method for amplifying a signal, the method comprising:

- a) contacting a target with a first receptor, wherein said first receptor is capable of binding to a first binding ligand;
- b) complexing a first receptor with an anti-receptor, said anti-receptor being conjugated to a microparticle, said anti-receptor comprising a plurality of second binding ligands;
- c) complexing said anti-receptor with a plurality of second receptors, each of said second receptors comprising a detectable moiety; and
- d) detecting the presence of said detectable moiety.

[cl003] A method for amplifying a detectable signal, the method comprising:

- a) contacting a target with a receptor to form a complex, said receptor comprising a detectable moiety and a binding site capable of binding said binding ligand;
- b) contacting said complex with a microparticle comprising at least one anti-receptor capable of binding to said receptor; and
- c) detecting the presence of said detectable moiety.

[cl004] A method for amplifying a detectable signal, the method comprising:

- a) contacting a target with a first receptor to form a first complex; contacting said first complex with a microparticle comprising a binding site for said first receptor and at least one binding site for a second receptor to form a second complex;
- b) contacting said second complex with a second receptor comprising a detectable moiety; and
- c) detecting said detectable moiety.

[cl005] A method for amplifying a detectable signal, the method comprising:

- a) contacting a target with a first receptor to form a first complex, said first receptor comprising a first detectable moiety;
- b) contacting said first complex with a microparticle comprising a binding site for said first receptor and at least one binding site for a second receptor to form a second complex;
- c) contacting said second complex with a second receptor comprising a second detectable moiety; and
- d) detecting at least one of said detectable moieties.

PROPOSED DEPENDENT CLAIM LANGUAGE

- wherein said microparticle is used to amplify signals from an array.
- wherein said binding ligand comprises biotin, said receptor comprises streptavidin, and said microparticle is fluorescent.
- wherein said microparticle is detectable and further comprising detecting the presence of said microparticle.
- wherein said first receptor complexes with said anti-receptor via a direct receptor-anti-receptor interaction.
- wherein said first receptor complexes with said anti-receptor via said second binding ligand.
- wherein said anti-receptor complexes with said second receptor via a direct receptor-anti-receptor interaction.
- wherein said anti-receptor complexes with said second receptor via said second binding ligand.
- wherein said first and second binding ligands are the same and said first and second receptors are the same.
- wherein said microparticle is fluorescently dyed.
- wherein said detectable moiety is phycoerythrin.
- wherein said first receptor comprises a second detectable moiety.

- wherein said first and second detectable moieties are detected using the same detection method.
- wherein said first and second detectable moieties are each detected using different detection methods.
- wherein said microparticle, said first detectable moiety and said second detectable moiety are detected using the same detection method.
- wherein said microparticle, said first detectable moiety and said second detectable moiety are detected using a different detection method.
- wherein said anti-receptor is complexed to said first receptor via a direct anti-receptor-receptor interaction.
- wherein said anti-receptor is complexed to said first receptor via said second binding ligands.
- wherein said anti-receptor is complexed to said second receptor via a direct anti-receptor-receptor interaction.
- wherein said anti-receptor is complexed to said second receptor via said second binding ligands.

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